

WHAT IS CLAIMED IS:

1 1. A method for adjusting colors of an image, in particular of an X-ray image in which
2 an object (1) having sub-objects (2, 3, 4) shown in different colors is depicted, comprising the
3 steps of:

4 determining an absorption attribute of a plurality of the sub-objects (3, 4);

5 assigning a specific color to each of the plurality of sub-objects (3, 4) having a same
6 absorption attribute, each specific color being different from each other;

7 adjusting a brightness level of one of the specific colors by adjusting each pixel thereof
8 with a determined color proportion of at least one of red, green or blue (R, G, B), whereby the
9 adjustment of the brightness level takes into consideration the sensitivity of the human eye; and

10 displaying at least the plurality of sub-objects (3, 4) having the same absorption attributes
11 on a monitor (8), whereby adjustment of the brightness level of one of the specific colors causes
12 the human eye to view at least the plurality of sub-objects (3,4) as having equal brightness levels.

1 2. The method according to claim 1, wherein color proportions (R, G, B) are stored in
2 support tables of a computer (7).

1 3. The method according to claim 1, wherein the intensity of the specific colors is
2 increased or decreased for the brightness adjustment.

1 4. The method according to claim 1, wherein prior to the adjusting step, the method
2 further comprises:

3 determining one average atomic number of each of the at least the plurality of sub-objects
4 (3, 4) from two different energies; and

5 assigning the specific colors to the at least plurality of sub-objects based upon their
6 respective average atomic number.

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